

In the Specification

Page 1, under Cross-Reference to Related Application,  
second line, and after "December 16, 1992"  
insert -- , now U.S. Patent 5,387,756 -- .

Page 6, line 12; change "too" to -- to -- .

In the Claims

Rewrite claims 2-4, 13 and 20-26, as follows:

2. (twice amended) A process for the preparation of  
a transgenic plant, which process comprises:

(i) transforming a plant cell with a chimaeric  
gene comprising (a) a promoter operably linked to  
[and] (b) a [deoxynucleic] deoxyribonucleic acid  
fragment comprising a coding sequence which  
encodes for an enzyme selected from the group  
consisting of phosphofructokinase, pyruvate  
kinase, acid invertase, starch synthase, adenine  
diphosphoglucose pyrophosphorylase, sucrose  
synthase, 6-phospho-fructokinase (pyrophosphate)  
and sucrose phosphate synthetase; and  
(ii) regenerating a plant from the transformed  
cell.

D1  
3. (twice amended) A process according to claim 2, wherein the fragment [coding sequence (b)] is from a microbial gene.

H  
4. (twice amended) A process according to claim 2, wherein the fragment [coding sequence (b)] is from a bacterial gene.

13. (twice amended) A transgenic plant which harbors in its cells a chimaeric gene which comprises;

(a) a promoter operably linked to

D2  
(b) a deoxyribonucleic [deoxynucleic] acid fragment comprising a coding sequence which encodes an enzyme selected from the group consisting of phospho-fructokinase, pyruvate kinase, acid invertase, starch synthase, 6-phosphofructokinase (pyrophosphate), adenine diphosphoglucose pyrophosphorylase, sucrose synthase and sucrose phosphate synthetase; and which is capable of being expressed in the cells of the plant.

D3  
20. (amended) A transgenic potato plant which harbors in its cells a chimaeric gene, which comprises;

(a) a promoter operably linked to

(b) a deoxyribonucleic [deoxynucleic] acid fragment comprising a coding sequence which encodes

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adenine diphosphoglucose pyrophosphorlase; said gene being capable of expression in the cells of the transgenic potato plant.

21. (amended) A transgenic potato plant according to claim 20 wherein the [coding sequence] fragment also encodes for a second enzyme.

22. (amended) A process according to claim 2, wherein the fragment [coding sequence] encodes for 2 or more of the enzymes selected.

W4  
23. (amended) [a] A chimaeric gene according to claim 9 wherein the fragment [coding sequence] encodes for 2 or more of the enzymes selected.

24. (amended) A transgenic plant according to claim 13 wherein the fragment [coding sequence] encodes for 2 or more of the enzymes selected.

25. (amended) A transgenic plant which harbors in its cells a chimaeric gene, which comprises;  
(a) a promoter operably linked to  
(b) a deoxyribonucleic acid fragment comprising a coding sequence which encodes for phosphofructokinase and a second enzyme selected from the group consisting of

W4 pyruvate kinase, acid invertase, starch synthase, adenine diphosphoglucose pyrophosphorylase, sucrose synthase, 6-phosphofructokinase (pyrophosphate) and sucrose phosphate synthetase;

said gene being capable of being expressed in the cells of the transgenic plant [A transgenic plant according to claim 24 wherein the coding sequence also encodes for the enzyme phosphofructokinase].

26. (amended) A transgenic potato plant which harbors in its cells a chimaeric gene, which comprises;

(a) a promoter operably linked to

W5 (b) a deoxyribonucleic acid fragment comprising a coding sequence which encodes adenine diphosphoglucose pyrophosphorylase and a second enzyme selected from the group consisting of phosphofructokinase, pyruvate kinase, acid invertase, starch synthase, sucrose synthase, 6-phospho-fructokinase (pyrophosphate) and sucrose phosphate synthetase; said gene being capable of being expressed in the cells of the transgenic potato plant [according to claim 24 wherein one of the enzymes selected is adenine diphosphoglucose pyrophosphorylase].

Enter new claims 27-30 as follows:

27. A transgenic potato plant which harbors in its cells a chimaeric gene, which comprises;

- (a) a promoter operably linked to
- (b) a deoxyribonucleic acid fragment comprising a coding sequence which encodes for acid invertase and a second enzyme, said gene being capable of expression in the cells of the transgenic potato plant.

Wb 28. A transgenic potato plant which harbors in its cells a chimaeric gene, which comprises;

- (a) a promoter operably linked to
- (b) a deoxyribonucleic acid fragment comprising a coding sequence which encodes for sucrose synthase, said gene being capable of expression in the cells of the transgenic potato plant.

29. A transgenic plant which harbors in its cells a chimaeric gene, which comprises;

- (a) a promoter operably linked to
- (b) a deoxyribonucleic acid fragment comprising a coding sequence which encodes an enzyme selected from the group consisting of phosphofructokinase, pyruvate kinase, acid invertase, starch synthase, adenine diphosphoglucose pyrophosphorylase, sucrose synthase, 6-phosphofructokinase (pyrophosphate) and sucrose phosphate synthetase;